

SITE PLAN

- STRUCTURES**
- UBA STRUCTURE FOR POWER CONTROL CENTER
 - UBB STRUCTURE FOR MAIN AUXILIARY POWER TRANSFORMER
 - UBC STRUCTURE FOR GENERATOR TRANSFORMER
 - UCA CONTROL ROOM BUILDING
 - UCB HEAT RECOVERY STEAM GENERATOR
 - UHX AMMONIA STORAGE AREA
 - UCA RAW WATER STORAGE TANK
 - UCD DEMINERALIZED WATER STORAGE TANK
 - UCU STRUCTURE FOR EFFLUENT DISPOSAL
 - UDA BOILER FEEDWATER PUMP HOUSE
 - UUA GENERATOR BUILDING
 - UUM/UMV PIPE AND CABLE BRIDGE
 - UMA COOLING TOWER STRUCTURE
 - URD CIRCULATING WATER PUMP STRUCTURE
 - USG FIRE PUMP HOUSE
 - USR WASTE WATER TREATMENT AREA
 - UST WORKSHOP / STORAGE AREA

- EROSION AND SEDIMENTATION CONTROL DRAWING LEGEND**
- SYMBOL CONSERVATION PRACTICE STANDARD
- AG AGGREGATE COVER
 - BF BARRIER FILTER (SILT FENCE)
 - CPS CULVERT INLET PROTECTION - STONE BERM
 - GLC GRASS-LINED CHANNEL
 - EB EROSION BLANKET UNDER GLC IF NECESSARY
 - IP INLET PROTECTION - EXCAVATED DRAIN
 - P PAVING PERMANENT
 - PS PERMANENT SEEDING
 - RCD ROCK CHECK DAM
 - ROD ROCK OUTLET PROTECTION
 - SE STABILIZED CONSTRUCTION ENTRANCE
 - SR STABILIZED CONSTRUCTION ROAD
 - FES FLURRED END SECTION
 - TSA TEMPORARY STOCKPILE AREA

- CONSTRUCTION SEQUENCE**
1. INSTALL STABILIZED CONSTRUCTION ENTRANCE FOR ACCESS AND PARKING AREAS AS PER CALTRANS AND CITY OF BLYTHE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION CONTROL.
 2. INSTALL BARRIER FILTER (SILT FENCE) AND TEMPORARY SWALE WITH SEDIMENT CONTROL DEVICES.
 3. INSPECT AND MAINTAIN ALL SEDIMENTATION CONTROL MEASURES REGULARLY.
 4. INSTALL AGGREGATE AND BITUMINOUS CONCRETE BASE COURSE (OR DRINK COURSE) AS STRUCTURAL AND MECHANICAL CONSTRUCTION/ERECTION ALLOWS.
 5. INSTALL AGGREGATE COVER WITHIN SWITCHYARD, IMMEDIATELY AFTER EQUIPMENT IS INSTALLED.

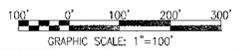
- LEGEND**
- SURVEY MONUMENTS AND PROPERTY CORNER
 - ✕ P.K. NAIL
 - ✕ NAIL SET
 - ⊙ POWER POLE
 - ⊙ POWER POLE ANCHOR
 - ⊙ TELEPHONE JUNCTION BOX
 - ⊙ WELL
 - ⊙ DENOTES WETLANDS/MARSHY AREA
 - ⊙ TREE/EDGE OF WOODS
 - PROPERTY LINE
 - ▭ CONSTRUCTION ACCESS ROAD
 - UNDERGROUND TELEPHONE LINE
 - UNDERGROUND ELECTRIC LINE
 - AERIAL ELECTRIC LINE
 - FENCE
 - ⊙ MANHOLE
 - INLET
 - ▭ FLURRED END SECTION (FES)
 - DRAINAGE DICH
 - TEMP. SILT FENCE
 - FINAL GRADE CONTOUR
 - AGGREGATE DITCH CHECK

- NOTES:**
1. CONTOURS INDICATE EXISTING CONDITIONS, AND PRELIMINARY DESIGN FOR GRADING. CONTOURS SUBJECT TO MODIFICATION BASED ON FINAL DESIGN.
 2. PROPOSED STORMWATER DRAINAGE TO BE DIRECTED BY SWALES WITH CULVERTS UNDER ROAD CROSSINGS.
 3. PROPOSED DIRECTION OF FLOW IS CONCEPTUAL. PLAN BASED ON EXISTING CONTOURS AND EXISTING PHASE I GEOMETRY OF EVAPORATION PONDS. EAST RETENTION BASIN SHALL BE EXCAVATED FIVE FEET DEEPER FOR PHASE II DEVELOPMENT. PLAN IS SUBJECT TO CHANGE AFTER THE FINAL DESIGN.
 4. EAST RETENTION BASIN WILL BE EXCAVATED FIVE FOOT MORE FOR ADDITIONAL STORAGE REQUIRED FOR BLYTHE II IMPROVEMENT.
 5. CONTRACTORS AND EMPLOYEES WORKING DURING THE CONSTRUCTION SHALL BE RESPONSIBLE FOR ENFORCING PROCEDURE AND COMPLIANCE WITH THE CONSTRUCTION FUGITIVE DUST MANAGEMENT PLAN APPROVED BY THE CALIFORNIA ENERGY COMMISSION AND MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT.

WEST SITE GRADING - EARTH WORK QUANTITIES

A. ADDITIONAL FILL MATERIAL FROM EAST RETENTION BASIN EXCAVATION	33,300 C.Y.
B. FILL AVAILABLE FROM ADJACENT PLANT AREA	240,000 C.Y.
C. FILL AVAILABLE FROM BEP II EVAPORATION POND	72,000 C.Y.
D. FILL AVAILABLE FROM CUT DITCHES	22,700 C.Y.
E. TOTAL FILL USED	368,000 C.Y.

NOTES:
 ABOVE ESTIMATED QUANTITIES ARE APPROXIMATE. TOP OF THE FINISH GRADE ELEVATION MAY REQUIRE SLIGHT ADJUSTMENT IN FIELD DEPENDING ON EXACT AVAILABLE FILL QUANTITIES AND DEGREE OF COMPACTION.



BLYTHE ENERGY PROJECT PHASE II
 BLYTHE, CALIFORNIA

GRADING AND DRAINAGE
 BLYTHE ENERGY PROJECT PHASE II

SCALE: 1"=100' E. SIZE

PREPARED BY:
HARZA ENGINEERING COMPANY

MILWAUKEE, WISCONSIN DATE 8/7/02 TOWNSHIP 20S49-R02-027-316 SHEET 1



**BLYTHE ENERGY PROJECT
 PHASE II**

**FIGURE 70-1
 GRADING AND DRAINAGE**

ANALYSIS AREA: RIVERSIDE CO., CALIFORNIA	
DATE: 09/2002	ArcView FILE: D:\BLYTHE\1135...FIG1-2.apr
PLOT SCALE: NTS	PREPARED BY: GF